

IN THE CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (*Currently Amended*): A recording/reproducing apparatus for controlling information recording and reproducing process by driving a recording medium having at least a video information recording region in which video information including a program is recorded, a video management information recording region in which management information for recording/reproducing the video information is recorded, and a region for recording chapter management information for managing each chapter of the program, the apparatus comprising:

a display signal control section ~~outputting~~ configured to output a display signal obtained from the video information to a display;

a first setting section ~~setting~~ configured to set a moving picture reproducing region for the program selected based on the video management information on a screen of the display;

a second setting section ~~setting~~ configured to set a thumb nail display region ~~for displaying that displays~~ one or more thumb nails as a typical picture of a set chapter on the ~~screen-of-the display screen~~;

a third setting section ~~setting~~ configured to set a button region ~~for-indicating that indicates~~ a chapter boundary in the moving picture reproducing region during program reproduction;

a command assignment section ~~assigning~~ configured to assign a command ~~for specifying that specifies~~ a chapter boundary with a cursor being moved to the button region when a desired image is displayed in the moving picture reproducing region;

a creation section ~~creating~~ configured to automatically create the chapter management information ~~specifying that specifies~~ the start and end of a chapter when the command for specifying a chapter boundary is assigned; and

a recording section ~~creating~~ configured to automatically create an image at the start of the set chapter as a still picture, ~~creating~~ automatically create the thumb nail management information, and ~~recording~~ automatically record the created information in the recording medium.

2. (*Original*): The recording/reproducing apparatus according to claim 1, further comprising a display control section setting a bar shaped display area corresponding to a full length of said program, and additionally displaying a mark corresponding to the number of chapters that exist in said program in said bar shaped display region.

3. (*Original*): The recording/reproducing apparatus according to claim 1, wherein said thumb nail management information indicates an entry point of the image set as a thumb nail in said program.

4. (*Original*): The recording/reproducing apparatus according to claim 1, wherein said thumb nail is created independent of said program, and is recorded in said recording medium.

5. (*Original*): The recording/reproducing apparatus according to claim 1, wherein, when a plurality of thumb nails are displayed in said thumb nail display region, a thumb nail number is displayed in accordance with each thumb nail.

6. (*Currently Amended*): The recording/reproducing apparatus according to claim 1, further comprising a release section ~~assigning~~ configured to assign a delete command by pointing a cursor to a desired thumb nail, and ~~deleting delete~~ the thumb nail, ~~thereby releasing to release~~ a chapter with the plurality of thumb nails being displayed.

7. (*Currently Amended*): A recording/reproducing apparatus for controlling information recording and reproducing process by driving a recording medium having at least a video information recording region in which video information including a program is recorded, a video management information recording region in which management information for recording/reproducing the video information is recorded, and a region for recording chapter management information for managing each chapter of the program, the apparatus comprising:

display signal control means for outputting a display signal obtained from the video information to a display;

means for setting a moving picture reproducing region for the program selected based on the video management information on a screen of the display;

means for setting a thumb nail display region for displaying one ore more thumb nails as a typical picture of a set chapter on the screen of the display;

means for setting a button region for indicating a chapter boundary in the moving picture reproducing region during program reproduction;

means for assigning a command for specifying a chapter boundary with a cursor being moved to the button region when a desired image is displayed in the moving picture reproducing region;

means for automatically creating the chapter management information for specifying the start and end of a chapter when the command for specifying a chapter boundary is assigned; and

means for automatically creating an image at the start of the set chapter as a still picture, automatically creating the thumb nail management information, and automatically recording the created information in the recording medium.

8. (*Withdrawn*): A recording/reproducing apparatus for controlling information recording and reproducing process by driving a recording medium having at least a video information recording region in which video information including a plurality of programs is recorded, a video management information recording region management information for recording/reproducing the video information is recorded, and a region for recording program management information for managing a reproduction sequence of the program, comprising:

a display signal control section outputting a display signal obtained from the video information to a display;

a setting section setting a thumb nail display region for displaying a plurality of thumb nails as a typical picture of a plurality of programs on a screen of the display;

a thumb nail display section setting a selected thumb nail display region on the screen of the display, and displays the selected thumb nails in specified order from among a plurality of thumb nails on the region; and

a play list constructing section making an enter operation while desired selected thumb nails are displayed in the selected thumb nail display region, thereby creating a new play list for reproducing programs corresponding to each thumb nail in order of arrangement of the selected thumb nails, and registering the created play list as program management information.

9. (*Withdrawn*): The recording/reproducing apparatus according to claim 8, wherein said play list includes cell reproduction information.

10. (*Withdrawn*): The recording/reproducing apparatus according to claim 8, wherein, when a delete mode is established while desired selected thumb nails are displayed in said selected thumb nail display region, said play list constructing section deletes desired thumb nails from said selected thumb nails, creates a new play list for reproducing programs corresponding to the remaining thumb nails, and registers the created list as said program management information.

11. (*Withdrawn*): The recording/reproducing apparatus according to claim 8, wherein, when a move mode is established while desired selected thumb nails are displayed in said selected thumb nail display region, said play list constructing section moves desired thumb nails to positions in desired orders from among said selected thumb nails, creates a new play list for reproducing programs corresponding to the order of thumb nails arranged in this state, and registers the created list as said program management information.

12. (*Withdrawn*): A recording/reproducing apparatus for controlling information recording and reproducing process by driving a recording medium having at least a video information recording region in which video information including a plurality of programs is recorded, a video management information recording region in which management information for recording/reproducing the video information is recorded, and a region for recording program management information for managing a reproduction sequence of the program, comprising:

display signal control means for outputting a display signal obtained from the video information to a display;

means for setting a thumb nail display region for displaying a plurality of thumb nails as a typical picture of a plurality of programs on a screen of the display;

means for setting a selected thumb nail display region on the screen of the display, and displaying the selected thumb nails in specified order from among the plurality of thumb nails on the region; and

a play list constructing means for making an enter operation while desired selected thumb nails are displayed in the selected thumb nail display region, thereby creating a new play list for reproducing programs corresponding to each thumb nail in order of arrangement of the selected thumb nails, and registering the created play list as the program management information.

